

#8

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/509,773
Source: PG/10
Date Processed by STIC: 7/7/05

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PCT

RAW SEQUENCE LISTING

DATE: 07/07/2005

PATENT APPLICATION: US/10/509,773

TIME: 13:28:01

Input Set : D:\seqlist.txt

Output Set: N:\CRF4\07072005\J509773.raw

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3 <110> APPLICANT: Delaney, Allen
5 <120> TITLE OF INVENTION: Cancer Associated Protein Phosphatases and their
6   uses
8 <130> FILE REFERENCE: SMAR-044
10 <140> CURRENT APPLICATION NUMBER: 10/509,773
C--> 11 <141> CURRENT FILING DATE: 2004-09-28
13 <150> PRIOR APPLICATION NUMBER: CA03/00393
14 <151> PRIOR FILING DATE: 2003-03-19
16 <150> PRIOR APPLICATION NUMBER: 60/368,859
17 <151> PRIOR FILING DATE: 2002-03-28
19 <160> NUMBER OF SEQ ID NOS: 12
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (0)...(0)
31 <223> OTHER INFORMATION: MKPX polynucleotide
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36 gcgaggaggg acgctggggc tgcccgggtgc gcacgggggc ggggaccggc aaggcgggac      180
37 catttcccg cataggctcc ggtgcccctg cccggctccc gccgggaagt tctaggccgc      240
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41 ggggcgctag cgttcgctt cagccaccat ggggaatggg atgaacaaga tcctgcccgg      480
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43 gacacatatt ctgtctgtcc atgatatgtc caggcctatg ttggaggagg ttaaatacct      600
44 gtgcatccca gcagcggatt caccatctca aaacctgaca agacatttca aagaaagtat      660
45 taaattcatt cacgagtgcc ggctccgcgg tgagagctgc cttgtacact gcctggccgg      720
46 ggtctccagg agcgtgacac tggatgatgc atacatcatg accgtcactg actttggctg      780
47 ggaggatgcc ctgcacaccg tgcgtgctgg gagatcctgt gccaaaccca acgtgggctt      840
48 ccagagacag ctccaggagt ttgagaagca tgagggtccat cagtatcggc agtggctgaa      900
49 ggaagaatat ggagagagcc ctttgcagga tgcagaagaa gccaaaaaca ttctggccgc      960
50 tccaggaatt ctgaagttct gggcctttct cagaagactg taatgtacct gaagtttctg      1020
51 aaatattgca aaccacagaa gttagaggctg gtgctgccaa aaagaaaagc aacatagagt      1080
52 ttaagtatcc agtagtgatt tgtaaaacttg ttttccattt gaagctgaat atatacgtag      1140
53 tcactgttat gttgagaact aaggatatcc tttagcaaga gaaaatattt tccccttatc      1200
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56 gacgagccca gtgtagtgt gtggcgtgaa ctctgcccg gtgttctcaa attccccagc 1380
57 ttgggaaata gcccttggtg tgggttttat ctctggtttg tgttctccgt ggtggaattg 1440
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59 aaaaaaaaaa aaaaaaaaaa 1520

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62 <210> SEQ ID NO: 2

63 <211> LENGTH: 184

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72 <400> SEQUENCE: 2

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76 20 25 30
77 His Ile Leu Ser Val His Asp Ser Ala Arg Pro Met Leu Glu Gly Val
78 35 40 45
79 Lys Tyr Leu Cys Ile Pro Ala Ala Asp Ser Pro Ser Gln Asn Leu Thr
80 50 55 60
81 Arg His Phe Lys Glu Ser Ile Lys Phe Ile His Glu Cys Arg Leu Arg
82 65 70 75 80
83 Gly Glu Ser Cys Leu Val His Cys Leu Ala Gly Val Ser Arg Ser Val
84 85 90 95
85 Thr Leu Val Ile Ala Tyr Ile Met Thr Val Thr Asp Phe Gly Trp Glu
86 100 105 110
87 Asp Ala Leu His Thr Val Arg Ala Gly Arg Ser Cys Ala Asn Pro Asn
88 115 120 125
89 Val Gly Phe Gln Arg Gln Leu Glu Phe Glu Lys His Glu Val His
90 130 135 140
91 Gln Tyr Arg Gln Trp Leu Lys Glu Glu Tyr Gly Glu Ser Pro Leu Gln
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93 Asp Ala Glu Glu Ala Lys Asn Ile Leu Ala Ala Pro Gly Ile Leu Lys
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95 Phe Trp Ala Phe Leu Arg Arg Leu
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100 <211> LENGTH: 2916

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105 <221> NAME/KEY: misc_feature

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107 <223> OTHER INFORMATION: PTP4A1 polynucleotide

109 <400> SEQUENCE: 3

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112 ccaccgccgc tcgccacga ccaccgccgc ctcttgtcc tgcagccacc gccaccgcct 180

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115 gattactgcc aggcacagca cgacctctat gcagacaagt gaactgtaga aactgattac 360
116 tgctccacca agaagccccc ataagagtgg ttatcctgga cacagaagtg ttgaaatcca 420
117 cagagcattt tacaagagtt ctgacctgga tggggtaaac ctgagtgcac ttcttttctg 480
118 ttggcctcag tattactgga ttgaagaatt gctgcttctt gttaggaggt tcatttcact 540
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121 attgagtgtt ttttaactaa attaacatgg ctgcaatgaa ccgcccagct cctgtggaag 720
122 tcacatacaa gaacatgaga tttcttatta cacacaatcc aaccaatgcg accttaaaca 780
123 aatttataga ggaacttaag aagtatggag ttaccacaat agtaagagta tgtgaagcaa 840
124 cttatgacac tactcttgtg gagaaagaag gtatccatgt tcttgattgg ccttttgatg 900
125 atggtgcacc accatccaac cagattgttg atgactgggt aagtcttgtg aaaattaaagt 960
126 ttcgtgaaga acctgggtgt tgtattgctg ttcatgctg tgcaggcctt gggagagctc 1020
127 cagtacttgt tgccctagca ttaattgaag gtggaatgaa atacgaagat gcagtacaat 1080
128 tcataagaca aaagcggcgt ggagctttta acagcaagca acttctgtat ttggagaagt 1140
129 atcgtcctaa aatgcggctg cgtttcaaag attccaacgg tcatagaaac aactgttgca 1200
130 ttcaataaaa ttgggggtgcc taatgctact ggaagtggaa cttgagatag ggcctaattt 1260
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141 acgttgtaca gaagcacatg tctttaatgt cttcagacaa aaaagcctta cattaattta 1920
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158 atattagtat ctggctacat gatggccatg tcaagt 2916
161 <210> SEQ ID NO: 4
162 <211> LENGTH: 173
163 <212> TYPE: PRT

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164 <213> ORGANISM: Homo sapiens
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167 <221> NAME/KEY: UNSURE
168 <222> LOCATION: (0)...(0)
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175           20           25           30
176 Phe Ile Glu Leu Lys Lys Tyr Gly Val Thr Thr Ile Val Arg Val
177   35           40           45
178 Cys Glu Ala Thr Tyr Asp Thr Thr Leu Val Glu Lys Glu Gly Ile His
179   50           55           60
180 Val Leu Asp Trp Pro Phe Asp Asp Gly Ala Pro Pro Ser Asn Gln Ile
181 65           70           75           80
182 Val Asp Asp Trp Leu Ser Leu Val Lys Ile Lys Phe Arg Glu Glu Pro
183           85           90           95
184 Gly Cys Cys Ile Ala Val His Cys Val Ala Gly Leu Gly Arg Ala Pro
185           100          105          110
186 Val Leu Val Ala Leu Ala Leu Ile Glu Gly Gly Met Lys Tyr Glu Asp
187           115          120          125
188 Ala Val Gln Phe Ile Arg Gln Lys Arg Arg Gly Ala Phe Asn Ser Lys
189           130          135          140
190 Gln Leu Leu Tyr Leu Glu Lys Tyr Arg Pro Lys Met Arg Leu Arg Phe
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197 <211> LENGTH: 2759
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapiens
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (0)...(0)
204 <223> OTHER INFORMATION: PTPN7 polynucleotide sequence
206 <400> SEQUENCE: 5
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209 gagcacagcc gttgaccttg tctttggggg cagccatgac ccagcctccg cctgaaaaaa 180
210 cgccagccaa gaagcatgtg cgactgcagg agaggcgggg ctccaatgtg gctctgatgc 240
211 tggacgttcg gtccctgggg gccgtagaac ccatctgctc tgtgaacaca cccggggagg 300
212 tcaccctaca ctttctgcgc actgctggac acccccttac ccgctggggc cttcagcgcc 360
213 agccacccag cccaagcaa ctggaagaag aattcttgaa gatcccttca aactttgtca 420
214 gccccgaaga cctggacatc cctggccacg cctccaagga ccgatacaag accatcttgc 480
215 caaatcccca gagccgtgtc tgtctaggcc gggcacagag ccaggaggac ggagattaca 540
216 tcaatgccaa ctacatccga ggctatgacg ggaaggagaa ggtctacatt gccaccagc 600
217 gcccctatgcc caacactgtg tcggacttct gggagatggg gtggcaagag gaagtgtccc 660
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219 cagaagagga aacctatgga cccttccaga tccgcatcca ggacatgaaa gagtgccag 780
220 aatacactgt gcggcacgtc accatccagt accaggaaga gcgccgtca gtaaagcaca 840
221 tcctcttttc ggcttgcca gaccatcaga caccagaatc agctgggccc ctgctgcgcc 900
222 tagtggcaga ggtggaggag agcccggaga cagccgcca ccccgggcct atcgtagtcc 960
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225 gaggggggat gatccagacg gcagagcagt accagttcct gcaccacact ttggccctgt 1140
226 atgcaggcca gctgcctgag gaacccagcc cctgaccct gccaccctcc ggtggcccag 1200
227 gtgcctacct ccctcaagcc tgggaagggtg ggtctgggga aagtgggccc agtgatctgg 1260
228 ggggtaccctt gggttggtgt ggggaaggag tgccctcctta gtggtgcttg acagtacag 1320
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231 ttaaagacag gagctggcat ttatgacaga caaagaaaga agcccagggtg tcctggtgtt 1500
232 ctctgagaca ctcttctgta tcttcagttt cctgttctat aacatgaaca taagtgtcta 1560
233 gctgccatga gggaaaagta atgagagaag ttctagaagc cactccagcc actccttcct 1620
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237 caaggactct ggttaccctt gcctccaccc atgtgtcata agagtaggct acagaggtga 1860
238 ccaggcctgg cagttgaaat ctctggaaga gggaaacatgt ggggactact cagaggcaaa 1920
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255 <210> SEQ ID NO: 6

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261 <221> NAME/KEY: UNSURE

262 <222> LOCATION: (0)...(0)

263 <223> OTHER INFORMATION: PTPN7 polypeptide sequence

265 <400> SEQUENCE: 6

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270 Ser Leu Gly Ala Val Glu Pro Ile Cys Ser Val Asn Thr Pro Arg Glu
271 35 40 45

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VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date